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Los Angeles, CA 90071
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201	FULL NAME OF INVENTOR	FIRST Name Balu	Middle Initial	LAST Name Balakirshnan	
	RESIDENCE & CITIZENSHIP	City Saratoga	State or Foreign Country California	Country of Citizenship United States of America	
	POST OFFICE ADDRESS	Post Office Address 13917 Albar Court	City Saratoga	State or Country California	Zip Code 95070

202	FULL NAME OF INVENTOR	FIRST Name Alex	Middle Initial	LAST Name Djenguerian	
	RESIDENCE & CITIZENSHIP	City Saratoga	State or Foreign Country California	Country of Citizenship United States of America	
	POST OFFICE ADDRESS	Post Office Address 20602 Sevilla Lane	City Saratoga	State or Country California	Zip Code 95070

203	FULL NAME OF INVENTOR	FIRST Name Leif	Middle Initial	LAST Name Lund	
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204	FULL NAME OF INVENTOR	FIRST Name	Middle Initial	LAST Name	
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS	Post Office Address	City	State or Country	Zip Code

I further declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the filing of such are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201 *Balu Balakirshnan*
Date 5-14-98

Signature of Inventor 202 *Alex Djenguerian*
Date 5/14/98

Signature of Inventor 203 *Leif Lund*
Date 05-14-98

(Signatures should conform to names as presented at 201 et seq. above.)

DPOA-UC1

Update 4/97

FCS0000392

POWER OF ATTORNEY

LYON & LYON LLP
DOCKET INFORMATION
233/248**Power Integrations, Inc.**, assignee(s) of the application for United States Letters Patent for a **"OFF-LINE CONVERTER WITH INTEGRATED SOFTSTART AND FREQUENCY HITTER"**by Balu Balakrishnan, Alex Dienguerian and Lief Lund
(inventors)☒ executed on even date herewith, or
having Serial No. _____ filed _____

a copy of the assignment of which is attached hereto, do(es) hereby appoint as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Sokun, Jr., Reg. No. 20,467; James W. Goriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,844; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffen, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benesi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,808; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Kelly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohlmer, Reg. No. 31,646; Mary S. Conshvlt, Reg. No. 32,212; Lois M. Kysigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,940; Robert C. Laurinsson, Reg. No. 34,204; Carol A. Schneider, Reg. No. 34,923; Hope E. Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; Richard J. Warburg, Reg. No. 32,327; David T. Berse, Reg. No. 37,104; Jeffrey A. Miller, Reg. No. 35,287; Bernard F. Rose, Reg. No. P-42,112; Michael J. Bolan, Reg. No. P-42,339; Lynn Y. McKernan, Reg. No. P-41,986; and Dmitry R. Milkovsky, Reg. No. P-41,999.

Send Correspondence to:

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47th Floor, 633 W. Fifth St.
Los Angeles, CA 90071-2066Direct Telephone Calls to:
Dmitry R. Milkovsky, Esq.
(408) 993-1555

I, the undersigned, declare that I am the (an) assignee of the above-identified application or, if the assignee is a corporation, partnership or other association, I am authorized to make this appointment on behalf of the assignee and I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of Assignee	Power Integrations, Inc.	
Post Office Address	477 North Mathilda Avenue, Sunnyvale, California 94086	
Signature of Declarant or Assignee	<u>Balu Balakrishnan</u>	Date: May 14, 1998

Full Name of Declarant If Other Than Assignee	Balu Balakrishnan
Title of Declarant	Vice-President, Marketing and Engineering
Address of Declarant	13917 Altair Court, Saratoga, California 95070

POA - fcm

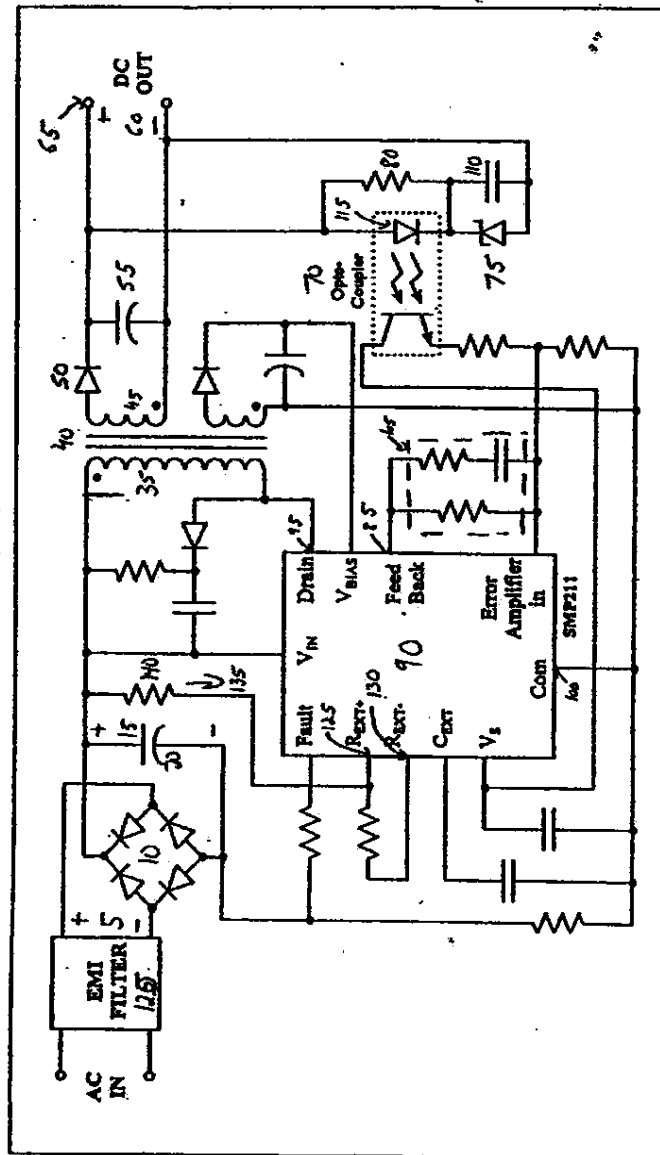
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FIG. 1



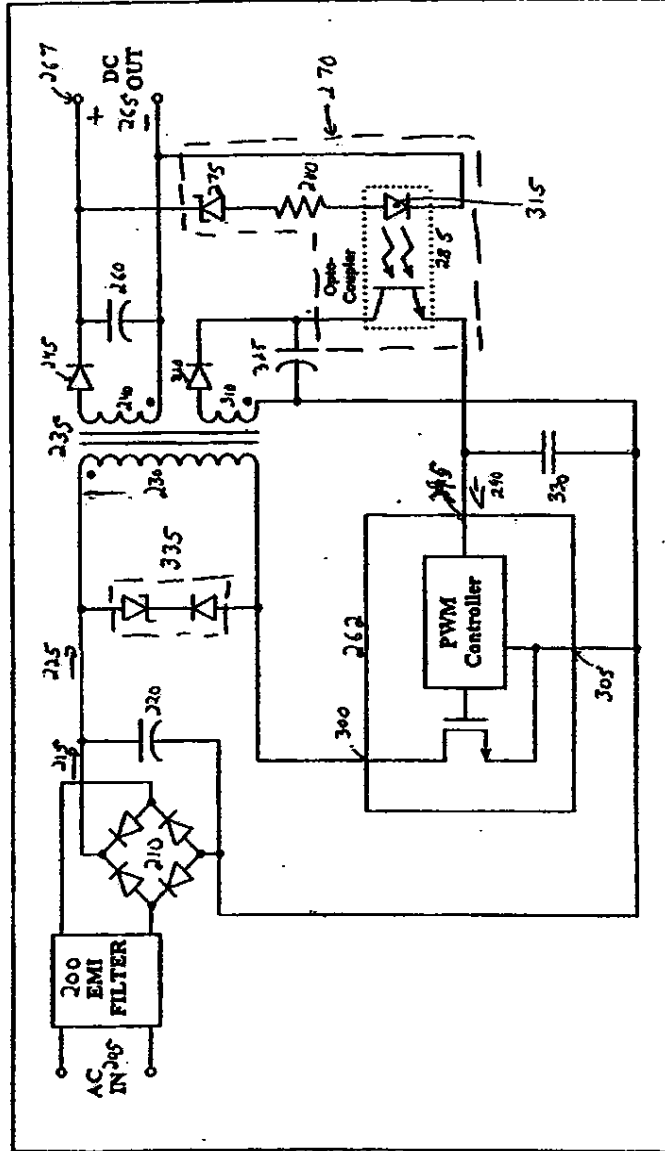
233/248
PATENT

Express Mail No. EM563810388US
Docket No. 233/248
May 18, 1998

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FIG. 2

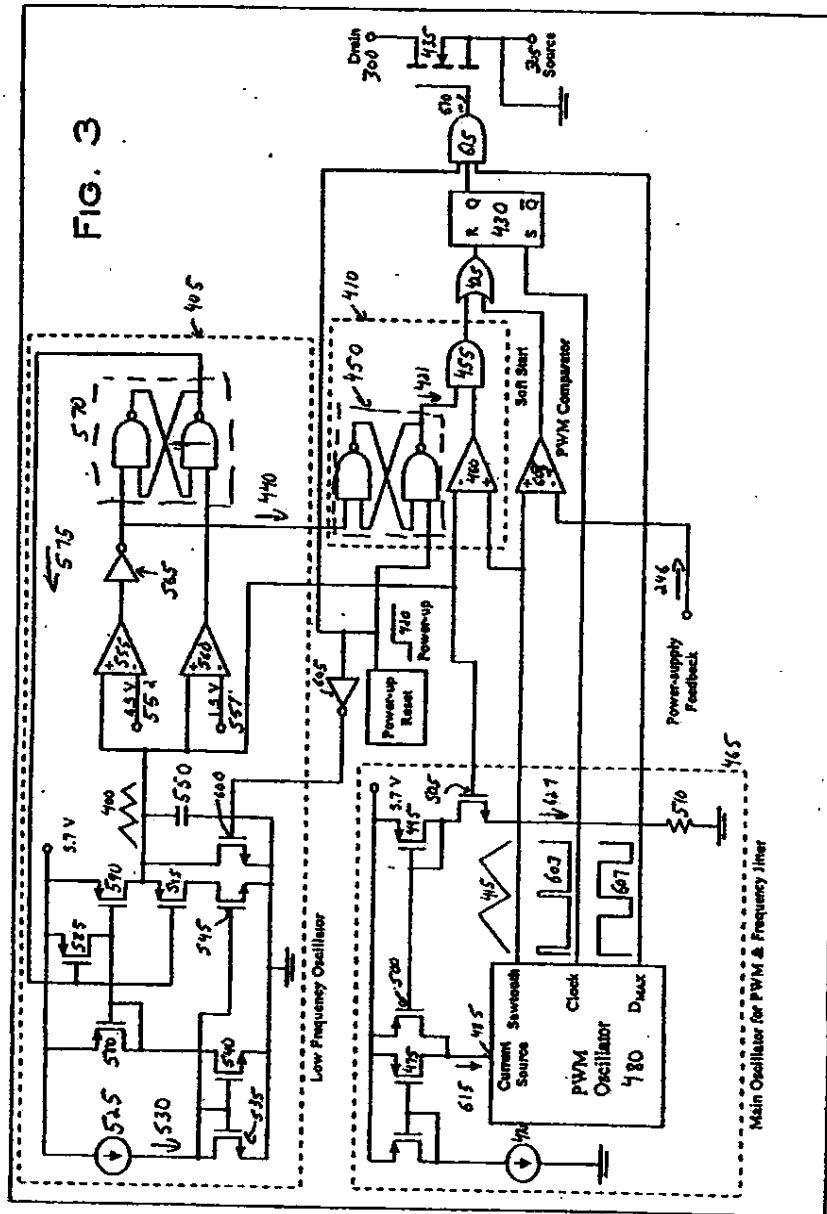


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Docket No. 233/248
May 18, 1998

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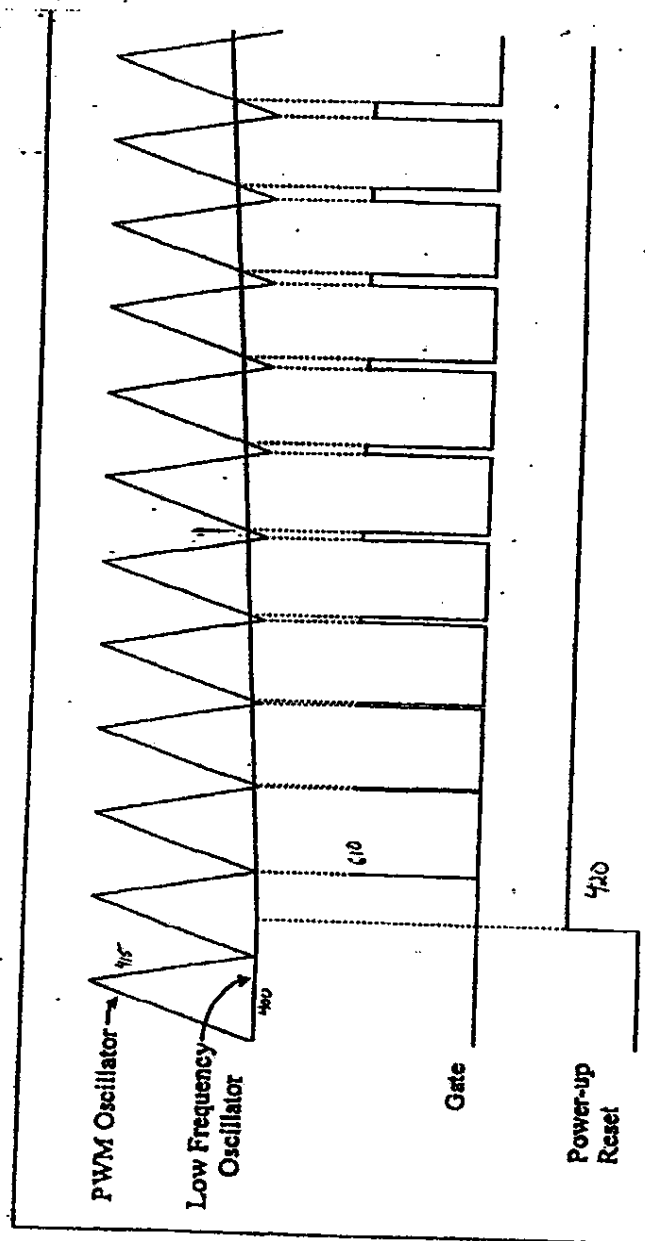
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May 12, 1998

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FIG. 4

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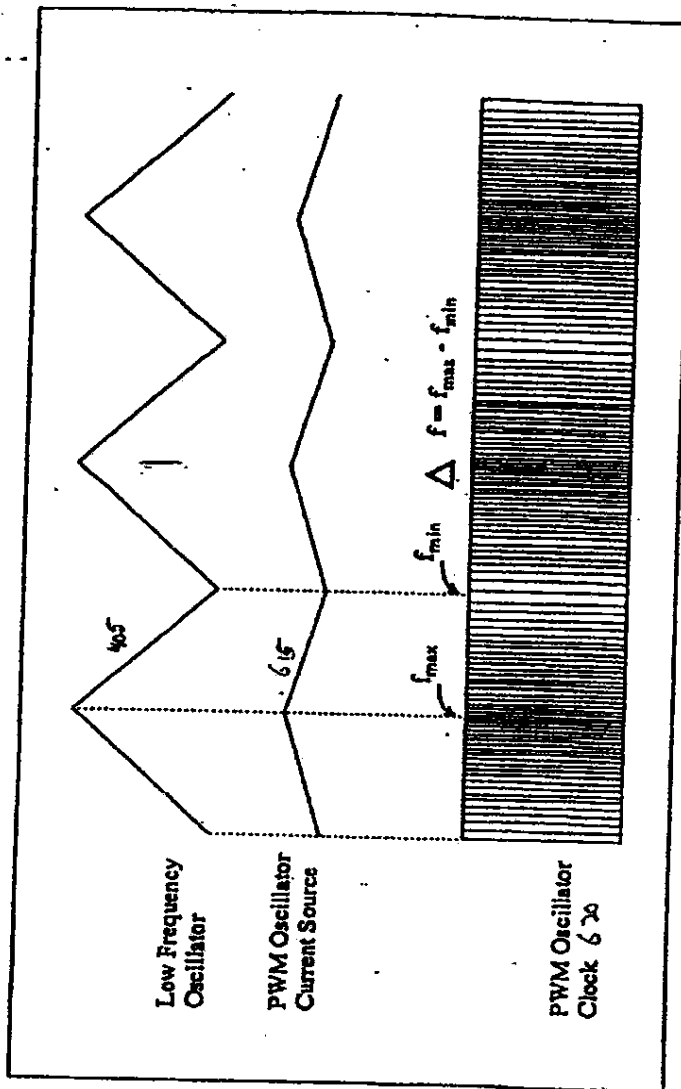
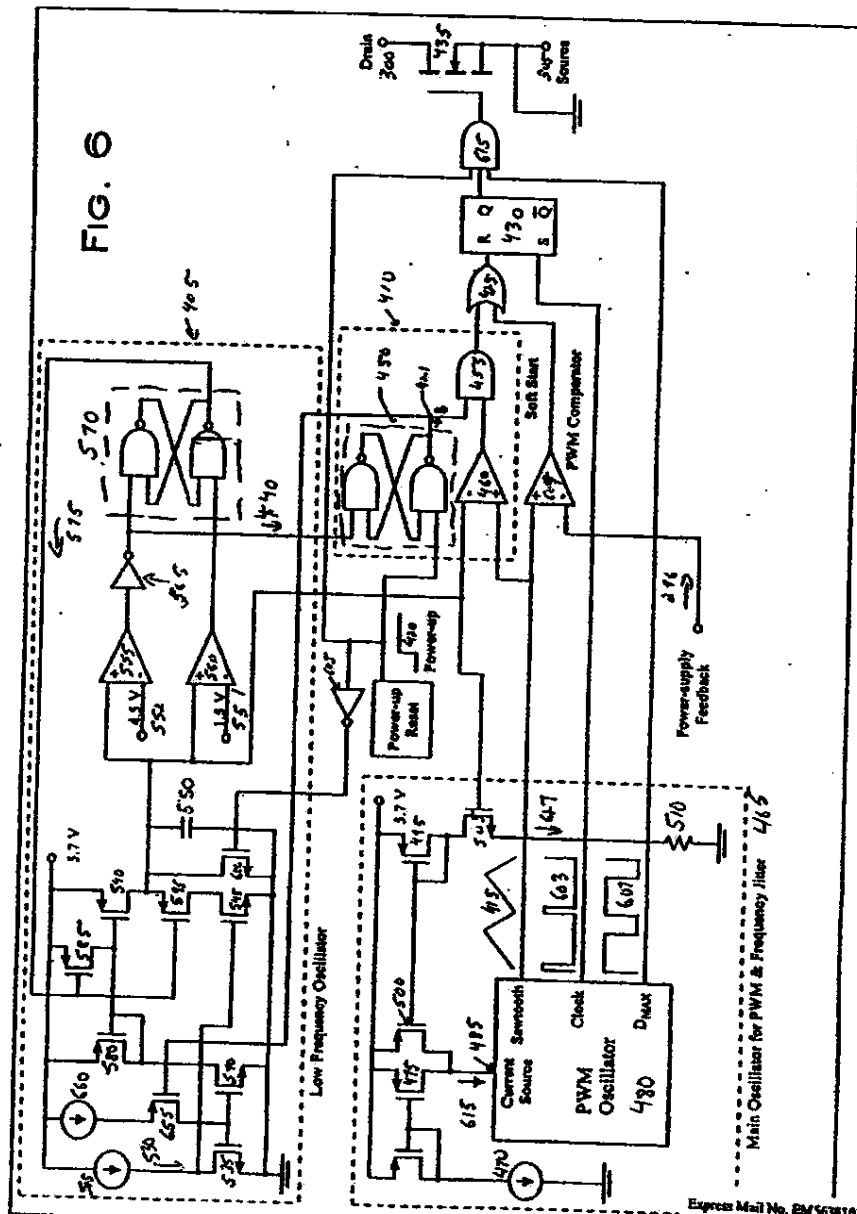


FIG. 5

Express Mail No. E456381638JUS
Docket No: 233248
May 18, 1998

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Docket No: 233/242
May 18, 1998

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PATENT

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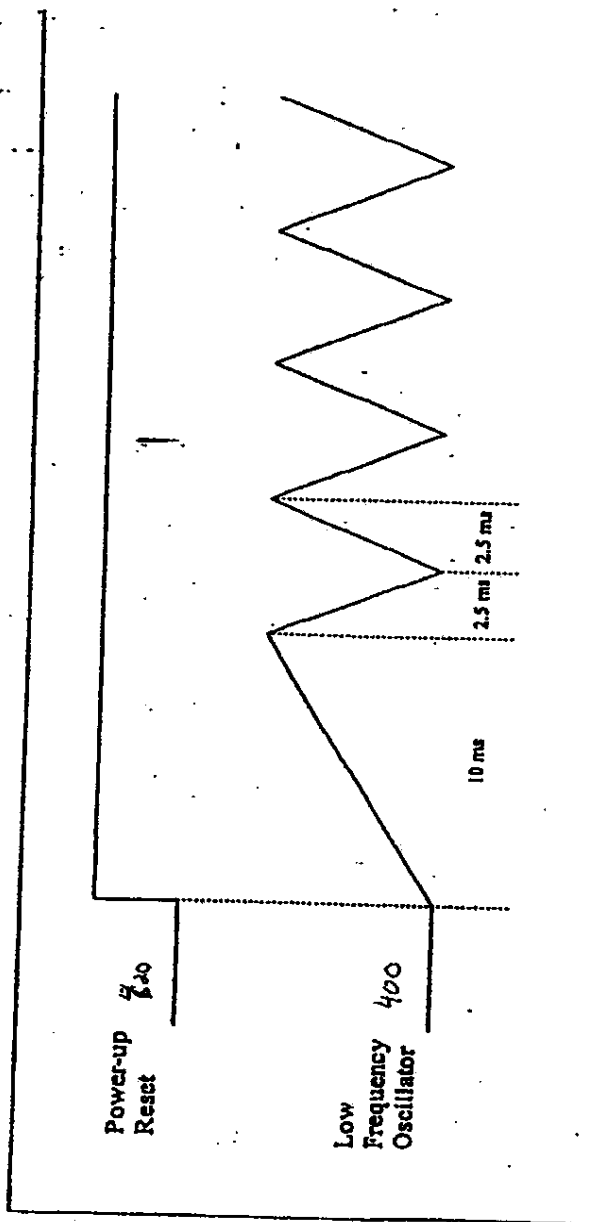


FIG. 7

Express Mail No. EM563810389US
Docket No. 233/248
May 18, 1998

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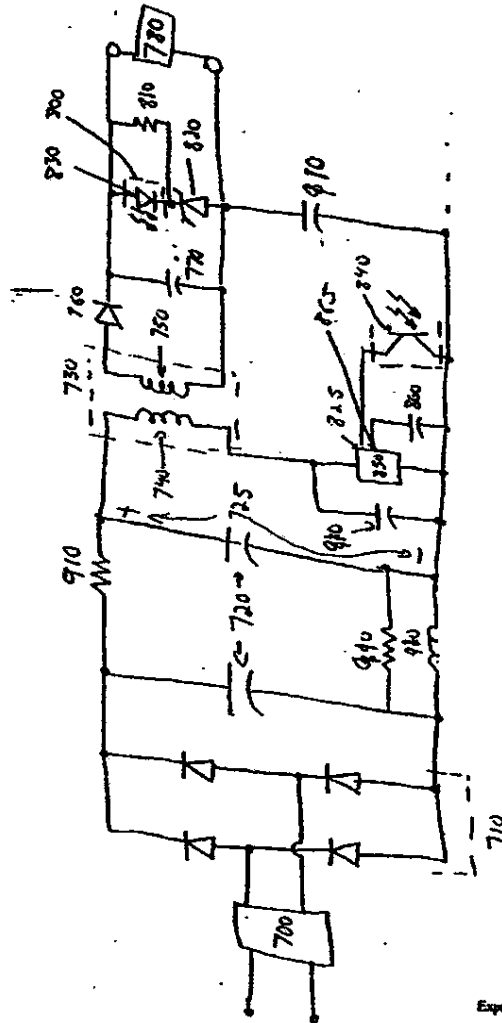
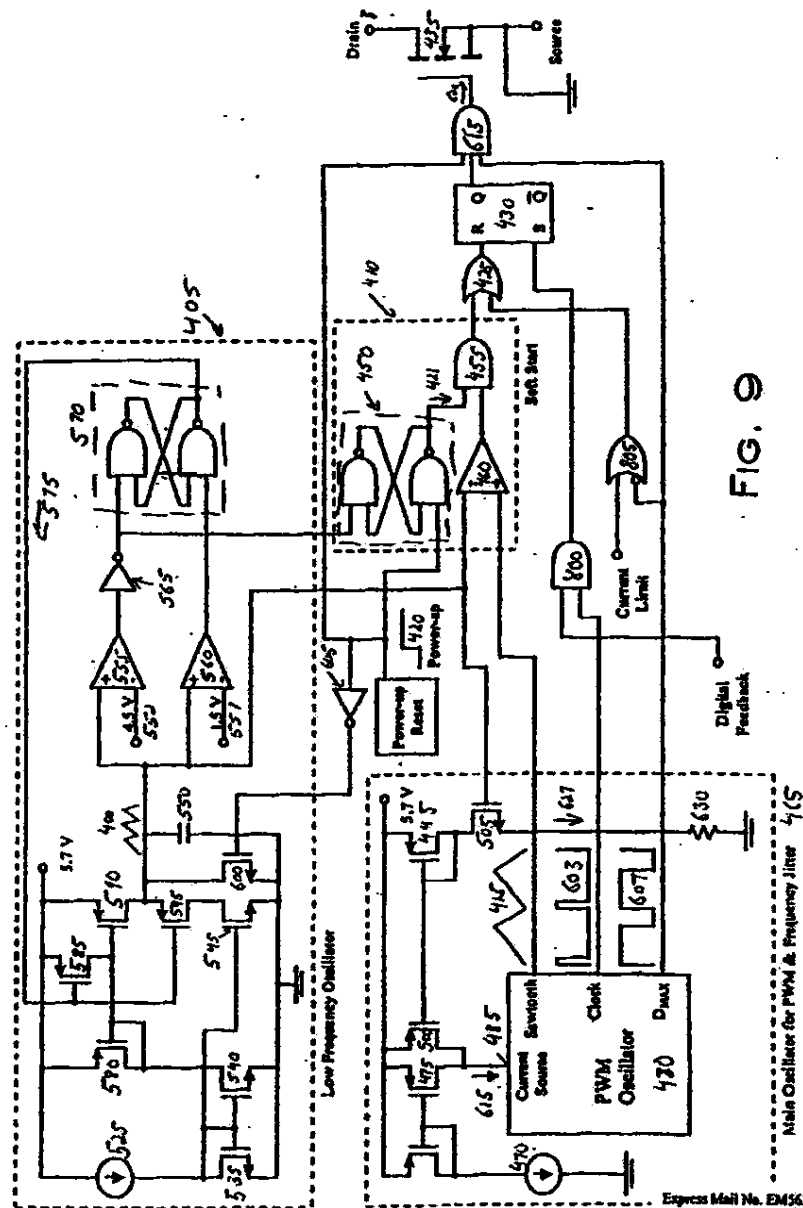


FIG. 8

Express Mail No. EM563810388US
DocId No: 233/248
May 18, 1998

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PATENT



Express Mail No. EM563410388US
Docket No: 233/248
May 18, 1998

05/18/98
3680 U.S. PTO

Attorney Docket No. 233/248

#2A
86-178

To: Assistant Commissioner for Patents and Trademarks
Washington, D. C. 20231

NEW APPLICATION TRANSMITTAL

Sir:

Transmitted herewith for filing is the utility patent application of:

Inventor(s): Balu Balakrishnan; Alex Djenguerian; Leif Lund

For: OFF-LINE CONVERTER WITH INTEGRATED SOFTSTART AND FREQUENCY JITTER

09080774-051898

1. Type of Application

This new application is for a(n):

- ☒ Original
☐ Design
☐ Divisional
☐ Continuation
☐ Continuation-in-Part (CIP)

2. Papers Enclosed

- ☒ 22 page(s) specification; 10 page(s) claims; 1 page(s) abstract
☒ 9 sheets of drawing (☒ informal ☐ formal)
☒ Declaration and Power of Attorney (☒ combined ☐ separate)
☒ Power of Attorney
☐ Verified Statement establishing "Small Entity" under 37 CFR §§ 1.9 and 1.27
 ☐ Already filed.
 ☒ Other than a Small Entity.
☒ Assignment Recordation Cover Sheet
☒ Assignment of the invention to: Power Integrations, Inc.

3. Fee Calculation

The filing fee has been calculated as shown below:

Page -1- of -2-

FCS0000404

Attorney Docket No. 233/240

-Statutory Basic Filing Fee	(\$790.00)	\$ 790.00
-Total Claims	<u>37</u> - 20 = <u>17</u> x \$22	\$ 374.00
-Independent Claims	<u>4</u> - 3 = <u>1</u> x \$80	\$ 80.00
-Multiple Dependent Claim(s)	(1260)	\$
-Surcharge 37 CFR 1.16(e)	(\$130)	\$
TOTAL OF ABOVE CALCULATIONS		\$ 1,244.00
-Reduction % for filing by Small Entity		\$ 000.00
-Assignment (\$40)		\$ 40.00
TOTAL FEES		\$ 1,284.00

4. Method of Payment of Fees

- X Check # 44209 in the amount of \$ 1,284.00 to cover the above fees are enclosed.
- X The Commissioner is hereby authorized to charge any deficiency of fees associated with this communication or credit any overpayment to Deposit Account 12-2475.

5. Authorization to Charge Additional Fees

- X The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 12-2475.
- X 37 CFR 1.16(a) or (g) - (Filing Fees)
- X 37 CFR 1.16(b), (c) and (d) - (Presentation of Extra Claims)
- 37 CFR 1.16(e) - (Surcharge for filing the basic filing fee and/or Declaration on a date later than the filing date of the application)
- X 37 CFR 1.17 (Any Application Processing Fees)

Date: May 18, 1998


 Dmitry R. Milkowsky
 Reg. No. P-41,999

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CAU 2816
233/248
PATENT #3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Balu Balakrishnan

Serial No. 09/080,774

Filed: May 18, 1998

For: OFF-LINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTER

Group Art Unit: 2816

Examiner: Not yet assigned

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GROUP 2500

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. § 1.56 and 1.97, Applicant hereby discloses to the Patent Office patents, publications or other information of which Applicant is aware. A copy of the patents and other materials along with a Form 1449 are submitted herewith.

The items identified in this Information Disclosure Statement may or may not be "material" as defined in 37 C.F.R. § 1.56 and the submission thereof by Applicant is not to be construed as an admission that such items referred to are material or considered to be material (37 C.F.R. § 1.97(h)), or even qualify as "prior art" under 35 U.S.C. § 102 with respect to this invention unless specifically designated by Applicant as such. Identification of any reference or patent having an issue date or a publication date after the statutory bar date is not

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PATENT

an admission, nor is it to be construed as an admission, that it was invented prior to the invention disclosed herein.

The filing of this Information Disclosure Statement is not to be construed to mean that a search has been made or that no other material information, as defined in 37 C.F.R. § 1.56, exists.

No Fee Required

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This information disclosure statement is being filed before the mailing of the first Office Action on the merits for this application, thus no fees or certification is required at this time. Please charge any required fee or credit any overpayment to our deposit account number 12-2475 for the processing of this information disclosure statement. An additional copy of this information disclosure statement is enclosed.

Respectfully submitted,
LYON & LYON LLP

Dated: July 8, 1998

By



Dmitry R. Milikovsky
Reg. No. P- 41,999

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233/248

Patent

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

☒ I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:
Assistant Commissioner for Patents, Washington, D.C. 20231.

Dated: July 14, 1998


Sheila Henriquez

FCS0000409

FORM PTO-1449		ATTY. DOCKET NO. 233/248	SERIAL NO. 09/080,774
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Power Integrations, Inc.	
		FILING DATE: May 18, 1998	GROUP: 2816

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
JZ	AA	3,491,252	1/20/70	Petrohilos	307	229	11/16/64
JZ	AB	3,555,399	1/12/71	Buchanan et al	321	43	11/16/67
JZ	AC	3,840,797	10/8/74	Argen et al	321	2	12/28/70
JZ	AD	3,916,224	10/20/75	Daniels et al	307	265	8/2/73
JZ	AE	4,072,965	2/7/78	Kondo	354	51	3/15/76
JZ	AF	4,143,282	3/6/79	Berard, Jr. et al	307	43	12/3/76
JZ	AG	4,228,493	10/14/80	de Sartre et al	363	56	12/21/78
JZ	AH	4,236,198	11/25/80	Ohsawa et al	363	49	12/11/78
JZ	AI	4,495,554	1/22/85	Simi et al	363	21	3/28/83
JZ	AJ	4,559,590	12/17/85	Davidson	363	21	3/24/83
JZ	AK	4,622,627	11/11/86	Rodriguez et al	363	37	2/16/84
JZ	AL	4,695,936	9/22/87	Whittle	363	21	2/7/86
JZ	AM	4,706,176	11/10/87	Ketschau	363	21	7/7/86
JZ	AN	4,706,177	11/10/87	Josephson	363	24	11/14/85
JZ	AO	4,720,641	1/19/88	Faini	307	18	1/19/88
JZ	AP	4,725,769	2/16/88	Cini et al	323	283	4/9/87
JZ	AQ	4,734,839	3/29/88	Barthold	363	16	3/23/87
JZ	AR	4,739,462	4/19/88	Farnsworth et al	363	21	12/26/84
JZ	AS	4,806,844	2/21/89	Claydon et al	323	311	6/17/88
JZ	AT	4,809,148	2/28/89	Barn	363	20	10/21/87
JZ	AU	4,811,184	3/7/89	Koninsky et al	363	17	5/10/88
JZ	AV	4,814,674	3/12/89	Hrassky	318	254	3/25/87
JZ	AW	4,858,094	8/15/89	Barlage	363	21	10/18/88
JZ	AX	4,862,339	8/29/89	Inou et al	363	21	3/31/88

Information Disclosure Statement - Section 9 PTO-1449

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FORM PTO-1449		ATTY. DOCKET NO. 233/24E	SERIAL NO. 09/080,774
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT: Power Integrations, Inc.	
(Use several sheets if necessary)		FILING DATE: May 18, 1998	GROUP: 2816

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
JZ	AY	4,866,590	9/12/89	Odaka et al	363	49	7/28/88
JZ	AZ	4,870,555	9/26/89	White	363	21	10/14/88
JZ	BA	4,887,199	12/12/89	Whittle	363	49	9/22/87
JZ	BB	4,888,497	12/19/89	Dallabona et al	307	272.3	4/28/88
JZ	BC	4,890,210	12/26/89	Myers	363	21	11/15/88
JZ	BD	4,928,220	5/22/90	White	363	56	10/14/88
JZ	BE	4,937,728	6/26/90	Leonardi	363	97	10/19/89
JZ	BF	4,943,903	7/24/90	Cardwell, Jr.	363	97	7/24/90
JZ	BG	5,012,401	4/30/91	Barlidge	363	97	3/19/90
JZ	BH	5,014,178	5/7/91	Balakrishnan	363	49	5/14/90
JZ	BI	5,034,871	7/23/91	Okamoto et al	363	15	3/26/90
JZ	BJ	5,041,956	8/20/91	Marinus	363	21	2/12/90
JZ	BK	5,072,353	12/10/91	Feldkeller	363	20	10/1/90
JZ	BL	5,086,364	2/4/92	Leipold et al	361	18	2/19/91
JZ	BM	5,146,394	9/8/92	Ishii et al	363	16	6/22/90
JZ	BN	5,161,098	11/3/92	Balakrishnan	363	144	9/9/91
JZ	BO	5,177,408	1/4/93	Marques	315	291	1/5/93
JZ	BP	5,200,886	4/6/93	Schwartz et al	363	49	3/10/92
JZ	BQ	5,297,014	3/22/94	Saito et al	363	21	1/3/92
JZ	BR	5,313,381	5/17/94	Balakrishnan	363	147	9/1/92
JZ	BS	5,394,017	2/8/95	Catano et al	307	66	2/28/95
JZ	BT	5,452,195	9/19/95	Lehr et al	363	21	10/8/93
JZ	BU	5,461,303	10/24/95	Leman et al	323	222	1/31/94
JZ	BV	5,481,178	1/9/96	Wilcox et al	323	287	1/2/96
JZ	BW	5,508,602	4/16/96	Borgato et al	323	222	9/28/93

Information Disclosure Statement - Section 9 PTO-1449

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FORM PTO-1449		ATTY. DCKET NO. 233/246	SERIAL NO. 09/080,774
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Power Integrations, Inc.	
		FILING DATE: May 18, 1998	GROUP: 2816

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
JZ	BX	5,528,131	6/18/96	Marty et al	323	901	9/21/93
JZ	BY	5,552,746	9/3/96	Danstrom	327	427	4/7/95
JZ	BZ	5,563,534	10/8/96	Rossi et al	327	77	5/9/94
JZ	CA	5,568,084	10/22/96	McClure et al	327	538	2/6/94
JZ	CB	5,570,057	10/29/96	Palara	327	365	4/12/95
JZ	CC	5,572,156	11/5/96	Diazzi et al	327	109	9/18/95
JZ	CD	5,619,403	4/8/97	Ishikawa et al	363	21	7/20/93
JZ	CE	5,617,016	4/1/97	Borghesi et al	323	284	10/20/94
JZ	CF	5,621,629	4/15/97	Hemmlinger et al	363	56	6/7/95
JZ	CG	5,640,317	6/15/97	Lei	363	49	6/17/97

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
JZ	CH	WO 83/01157	31.03.83	EPO	H02M 3	335		X
JZ	CI	0 651 440 A1	03.05.95	EPO	H01L 23	433		X
JZ	CJ	EP 0 694 966 A1	31.01.96	EPO	H01L 23	495		X
JZ	CK	EP 0 736 957 A1	09.10.96	EPO	H02M1	12		X
JZ	CL	EP 0 740 491 A1	30.10.96	EPO	H05B 41	00		X
JZ	CM	EP 0 751 621 A1	02.01.97	EPO	H03K 17	16		X
JZ	CN	EP 0 748 034 A1	11.12.96	EPO	H02M 3	00		X
JZ	CO	EP 0 748 035 A1	11.12.96	EPO	H02M 3	155		X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
JZ	CP	H.S. Hoffman, Jr., "Self-Generated Bias Supply", IBM Technical Disclosure Bulletin, Vol. 20, No. 5, October 1977, pp. 1814-5.
JZ	CQ	H.S. Hoffman, Jr. et al, "Proportional Drive Supply with Diversion Control", IBM Technical Disclosure Bulletin, Vol. 21, No. 12, May 1979, pp. 4904-5
JZ	CR	A. Halperin, "Primary Regulated Dual Power Supply", IBM Technical Disclosure Bulletin, Vol. 21, No. 10, March 1979, pp. 4299-300.

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 233/24. APPLICANT: Power Integrations, Inc. FILING DATE: May 18, 1998	SERIAL NO. 09/080,774 GROUP: 2816
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JZ	CS	"5-W dc-dc converters aim at telecom applications", Electronic Design Vol 31, No. 15, July 21, 1983, pp 227.
JZ	CT	"Combined Switch-Mode Power Amplifier and Supply", IBM Technical Disclosure Bulletin, Vol. 28, No. 3, August 1985, pp. 1193-1195.
JZ	CU	R. Bruckner, et al, "Optimizing Converter Design and Performance Utilizing Micro Controller System Feedback Control", Proceedings of Powercon 8, E-2, 1981, pp 1-10.
JZ	CV	B. Pelly et al, "OPower MOSFETs take the load off switching supply design", Electronic Design, February 1983, pp 135-139.
JZ	CW	D. Azzi et al, "Flyback on Card Power Supply", IBM Technical Disclosure Bulletin, Vol. 23, No. 4, September 1980, pp.1477-78.
JZ	CX	A.J. Bowen et al, "Power Supply with Optical Isolator", IBM Technical Disclosure Bulletin Vol. 14, No. 11, April 1972, pp. 3320.
JZ	CY	"Off-Line Power Supply Control Technique Using a Single Transformer to Feed Back Three Control Signals", IBM Technical Disclosure Bulletin, Vol. 32, No. 8A, January 1990, pp. 772-3.

EXAMINER: Examiner <i>Jeffrey Zweizig</i>	DATE CONSIDERED: <i>8/16/99</i>
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	



4

FCS0000414

Attorney's Docket No.: 003692.P036



Patent

GP 2816
#18
D. Scott
7/28/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

BALAKRISHNAN, ET AL.

Application Number: 09/080,774

Filed: May 18, 1998

For: OFF-LINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTER

Examiner: Not Yet Assigned

Group Art Unit: 2816

RECEIVED

MAY 26 1999

TECHNOLOGY CENTER 2800

Assistant Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE
AND REVOCATION OF PREVIOUS POWERS

Power Integrations, Inc. ("assignee"), a California corporation having a place of business at 477 N. Mathilda Avenue, Sunnyvale, California, 94086, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent application and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment document that evidences the placement of title in the assignee and upon information and belief that assignment documents were recorded in the U.S. Patent and Trademark Office on May 18, 1998, at reel 9195, frame 0745.

Pursuant to 37 C.F.R. §§ 1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints Farzad E. Amini, Reg. No. P42,261; Aloysius T. C. AuYeung, Reg. No. 35,432; Amy M. Armstrong, Reg. No. 42,265; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Beraznak, Reg. No. 33,474; Michael A. Bernadecou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Yong S. Choi, Reg. No. P43,324; Thomas M. Coester, Reg. No. 39,637; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Robert Andrew Diehl, Reg. No. 40,992; Tarek N. Fahmi, Reg. No. 41,402; James Y. Go, Reg. No. 40,621; Dinu Gruia, Reg. No. P42,996; David R.

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-1-

(rev. 5/99)

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Halvorson, Reg. No. 33,395; Thomas A. Hassing, Reg. No. 36,159; Phuong-Quan Hoang, Reg. No. 41,839; Willmore F. Holbrow III, Reg. No. P41,845; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Dag H. Johansen, Reg. No. 36,172; William W. Kidd, Reg. No. 31,772; Michael J. Mallico, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Darren J. Milliken, Reg. No. 42,004; Thinh V. Nguyen, Reg. No. 42,034; Kimberley G. Nobles, Reg. No. 38,255; Babak Redjalian, Reg. No. 42,096; James H. Salter, Reg. No. 35,668; William W. Schaaf, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Anand Sethuraman, Reg. No. P43,351; Charles E. Shennwell, Reg. No. 40,171; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; George G. C. Tseng, Reg. No. 41,355; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Stephen Warhola, Reg. No. 43,237; Charles T. J. Weigell, Reg. No. 43,398; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys, and James A. Henry, Reg. No. 41,064; Daniel E. Ovanezian, Reg. No. 41,236; Glenn E. Von Tersch, Reg. No. 41,364; and Chad R. Walsh, Reg. No. 43,235; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Pursuant to 37 C.F.R. § 3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to Bradley J. Bereznek, Esq., Reg. No. 33,474, Blakely, Sokoloff, Taylor, & Zafman LLP, 12400 Wilshire Boulevard, Seventh Floor, Los Angeles, California 90025, and direct all telephone calls to the same at (408) 720-8598.

Assignee of Interest: POWER INTEGRATIONS, INC.
(Type or Print)

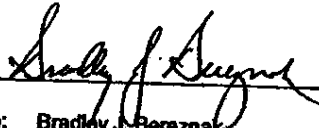
Dated: 5-14-99

By: 
Name: Clifford J. Walker
(Type or Print)
Title: Vice President of Corporate Development
(Type or Print)

Address of Assignee of Interest:
477 N. Mathilda Avenue
Sunnyvale, CA 94086
USA

Respectfully submitted,

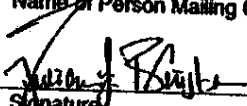
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 5/17/99 By 
Name: Bradley J. Berenzak
(Type)
Reg. No.: 33,474

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, California 90025-1026
(408) 720-8598

FIRST CLASS CERTIFICATE OF MAILING
(37 C.F.R. § 1.8(a))

I hereby certify that the foregoing Power of Attorney is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on May 17, 1999

Vivian Y. Buiton
Name of Person Mailing Correspondence
 5/17/99
Signature Date

003692.P036

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(rev. 5/99)

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FCS0000418



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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09/080,774 05/18/98 Bakakrishnan et al.

EXAMINER

100

APR UNIT PAPER NUMBER

2816 5

DATE MAILED: 7-28-99

This is in response to the Power of Attorney filed

05-18-99

- ☐ 1. The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.
- ☒ 2. The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record. (37 CFR 1.33).
- ☐ 3. The withdrawal as attorney in this application has been accepted. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.

This is a communication from the
Patent and Trademark Office

- ☒ 4. The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the below-noted address as provided by 37 CFR 1.33.
- ☐ 5. The Power of Attorney in this application is not accepted for the reason(s) checked below:
- ☐ a. The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73 (b) has not been received.
- ☐ b. The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- ☐ c. The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- ☐ d. The signature of _____, a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor.
- ☐ e. The person(s) appointed in the Power of Attorney is not registered to practice before the U. S. Patent & Trademark Office.
- ☐ f. The revocation is not signed by the applicant, the assignee of the entire interest, or any particular principal attorney having the authority to revoke.

Bradley J. Berezna
Blakely, Sokoloff, Taylor & Zisman
12400 Wilshire Blvd, Suite 1500
Los Angeles CA 90025

Bradley J. Berezna
This is a communication from the
Patent and Trademark Office

RETAIN THIS COPY IN THE APPLICATION FILE COPY A

FCS0000419



UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/080,774 05/18/98 BALAKIRSHNAN

B 233/248

EXAMINER

MM32/0819

LYON & LYON
 FIRST INTERSTATE WORLD CENTER
 633 W FIFTH STREET 47TH FLOOR
 LOS ANGELES CA 90071

ARTIST ZITZ PAPER NUMBER

DATE MAILED 2816

08/18/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 09/088,774	Ap. serial Balakrishnan et al.
	Examiner Jeffrey Zwadzig	Group Art Unit 2816

☒ Responsive to communication(s) filed on 5/18/98

☐ This action is FINAL.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 7 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(e).

Disposition of Claims

☒ Claim(s) 1-37 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☐ Claim(s) _____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☒ Claims 1-37 are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☒ The drawing(s) filed on 5/18/98 is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(e)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

Application/Control Number: 09/080,774

Page 2

Art Unit: 2816

Drawings

1. Fig. 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g).

Election/Restriction

2. This application contains claims directed to the following patentably distinct species of the claimed invention:

Group I: claims 1-10 & 29-37 directed toward a PWM circuit with a frequency variation circuit; and

Group II: claims 11-28 directed toward a PWM circuit with a soft start circuit.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations

FCS0000423

Application/Control Number: 09/080,774

Page 3

Art Unit: 2816

of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(f).

FCS0000424

Application/Control Number: 09/080,774

Page 4

Art Unit: 2816

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Zweizig whose telephone number is (703) 305-7243. The examiner can normally be reached on Monday through Friday from 7:00 to 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached on (703) 308-4876. The fax phone number for this Group is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

JZ

August 17, 1999

Jeffrey Zweizig
Jeffrey Zweizig

Patent Examiner

Art Unit 2816

FCS0000425

**MISSING PAGE(S) FROM THE
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003692.P036

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Balakrishnan

Serial No.: 09/080,774

Filed: May 18, 1998

For: OFFLINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTER

Commissioner of
Patents and Trademarks
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited with the
United States Postal Service as first class mail with sufficient postage
in an envelope addressed to the Assistant Commissioner for Patents,
Washington, D.C. 20231 on:

November 2, 1999

Melanie Besecker

Melanie Besecker 11-2-99

PETITION FOR EXTENSION OF TIME PURSUANT TO 37 C.F.R. § 1.136 (a)

Sir:

Applicant respectfully requests a two-month extension of time to file a
Response to the Restriction Requirement mailed August 18, 1999. The
extended period expires on November 18, 1999.

A check in the amount of \$360.00 is enclosed to cover the fee for a two
month extension of time. If any additional fee is required, please charge Deposit
Account No. 02-2666. A duplicate of this Petition is enclosed for deposit account
charging purposes.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 11-2, 1999

James Y. Go
Reg. No. 40,621

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(425) 827-8600

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LOS ANGELES, CA 90025-1026
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003692.P036

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Balakrishnan

Serial No.: 09/080,774

Filed: May 18, 1998

For: OFFLINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTER

Commissioner of
Patents and Trademarks
Washington, D.C. 20231

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United States Postal Service as first class mail with sufficient postage
in an envelope addressed to the Assistant Commissioner for Patents,
Washington, D.C. 20231 on:

November 2, 1999

Date of Deposit

Melanie Bosecker

Name of Person Making Correspondence

Melanie Bosecker 11-2-99

Signature

Date

PETITION FOR EXTENSION OF TIME PURSUANT TO 37 C.F.R. § 1.136 (a)

Sir:

Applicant respectfully requests a two-month extension of time to file a
Response to the Restriction Requirement mailed August 18, 1999. The
extended period expires on November 18, 1999.

A check in the amount of \$380.00 is enclosed to cover the fee for a two-
month extension of time. If any additional fee is required, please charge Deposit
Account No. 02-2666. A duplicate of this Petition is enclosed for deposit account
charging purposes.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 11-2, 1999

James Y. Go
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FCS0000430



Attorney's Docket No. 003692.P036

#8

election
11/15/99

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

BALAKRISHNAN ET AL.

Examiner: Zweizig, Jeffrey.

Application No.: 09/080,774

Art Unit: 2816

Filed: May 18, 1998

For: OFF-LINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTER

Assistant Commissioner for Patents
Washington, D.C. 20231

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AMENDMENT AND RESPONSE TO ELECTION REQUIREMENT

Drawing Objection

In response to the Election Requirement mailed August 18, 1999, it is proposed by the Examiner that Figure 1 be designated by a legend such as -- Prior Art--. Accordingly, the Applicants submit a proposed drawing correction in the form of a red-mark original of Figure 1. The Applicants request the Examiner to approve the drawing. The Applicants will submit formal corrections for Figure 1, including any additional changes in response to form PTO-948, when the Application is allowed by the Examiner.

Restriction Requirement

In response to the Election Requirement mailed August 18, 1999, the Applicant hereby elects without traverse the invention of Group I, claims 1-10 and 29-37.

003692.P036
Serial No. 09/080,774

- 1 -

Examiner: Zweizig, J.
Art Unit: 2816

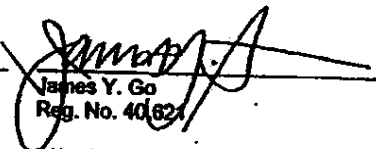
FCS0000431

If there are any additional charges, please charge Deposit Account No.
02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 11-2-99


James Y. Go
Reg. No. 40,621

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(425) 827-8600

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sufficient postage in an envelope addressed to the
Commissioner of Patents and Trademarks, Washington,
D.C. 20231 on November 2, 1999

Melanie Besseler 11-2-99
Melanie Besseler Date

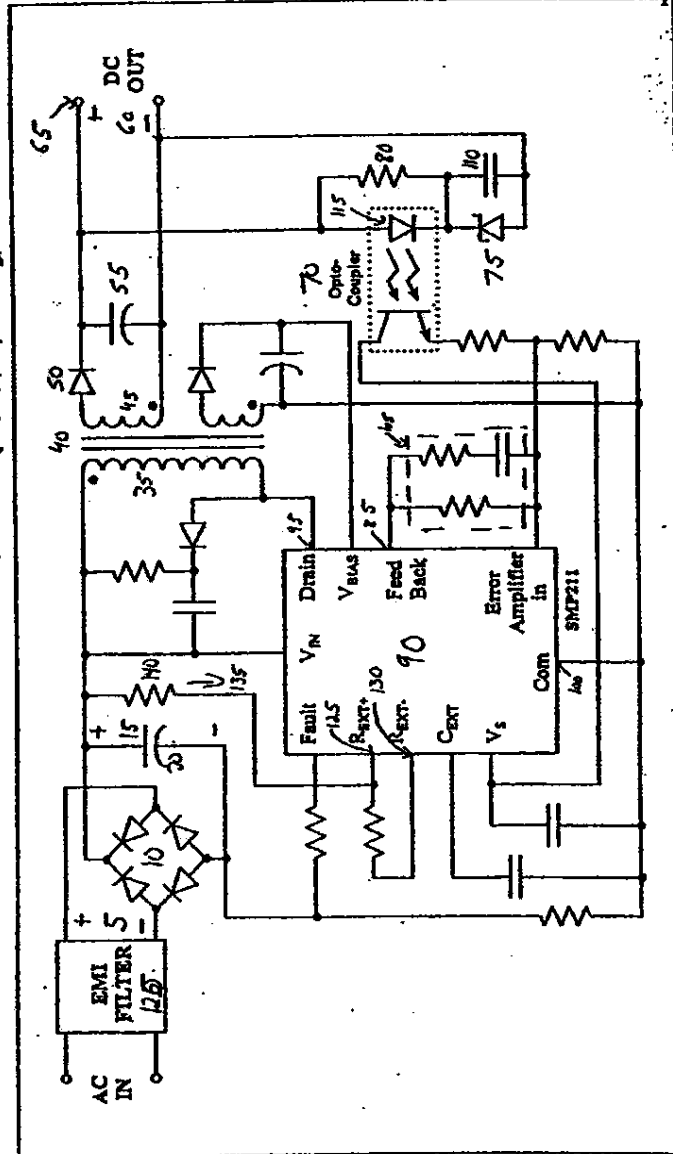
003692.P036
Serial No. 09/000,774

- 2 -

Examiner: Zwetzig, J.
Art Unit: 2816

FCS0000432

FIG. 1. (Prior Art)



233/248
PATENT

Express Mail No. E4563810388US
Docket No: 233/248
May 11, 1998

